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Issued November, 1935

Imperial

Welding, Cutting, Brazing and
Lead Burning Equipment

OXY-ACETYLENE AND
OXY-HYDROGEN PROCESS



Trade Mark

Long Distance Telephone, Haymarket 0740
Cable Address, "IMPERBRASS", Chicago

The Imperial Brass Manufacturing Co.

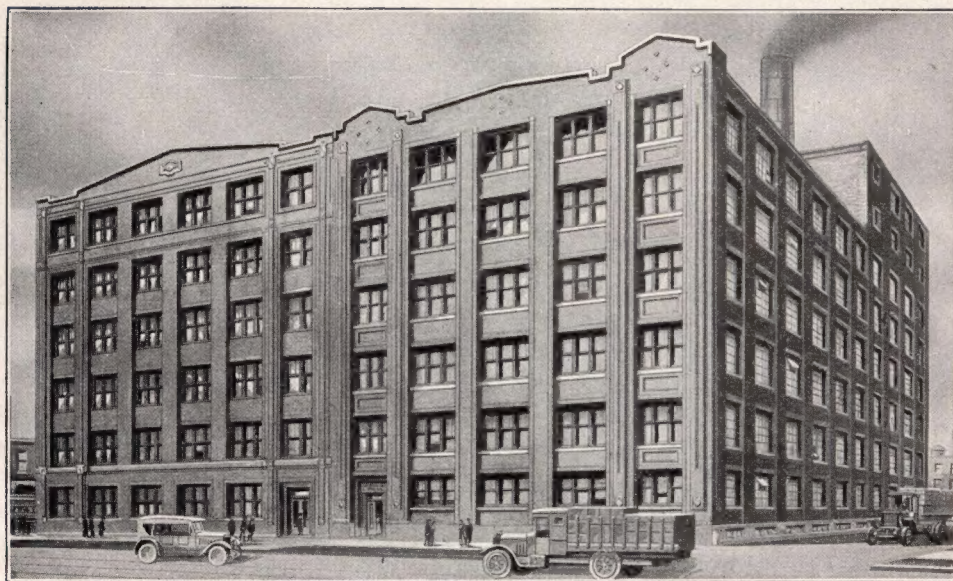
Main Office and Factory

1200 W. Harrison St.

Chicago, Ill., U. S. A.

SALES OFFICES IN PRINCIPAL CITIES

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NATION-WIDE RECOGNITION

THE completeness of Imperial service and the wide variety of products offered under the Imperial trade-mark represent almost half a century of development and accumulated experience.

All manufacturing processes are completed in our own departments—casting, stamping, spinning, machining, polishing, plating, etc. The standard of scientific accuracy prevailing in all operations has gained especial recognition for Imperial oxy-acetylene welding, cutting, carbon and lead burning equipment. These products hold first favor in industrial plants, service garages and automotive repair shop throughout the country.

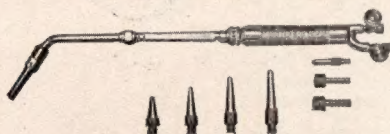
Guaranteed Efficiency

The Imperial guarantee assures absolute satisfaction, if the equipment is used according to the printed instructions which accompany every delivery. The privilege of returning all or any part within 30 days is covered by this guarantee, with a full refund of the purchase price.

Imperial Welding and Cutting Torches

Made of special alloy bronze, simple and rugged construction without possibility of leaky joints. Needle valves permit fine adjustment and accurate control of gases. Barrels and Tip Holders are turned from solid rod and the tubing throughout is extra heavy. A new mixing principle insures perfect mixture of gases and there are no mixed gases in the handle. Imperial Welding and Cutting Torches are easy to operate and will stay lit under all conditions.

Type X Welding Torch

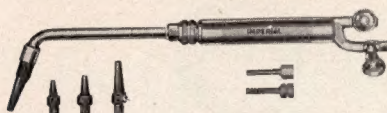


The Type X Imperial Welding Torch is our standard torch and will do all types of oxy-acetylene welding within the limits of the process. It is light in weight but extremely rugged and will stand a lot of hard usage.

This torch is 20 inches long, and may be lengthened to 26 inches by using the 6-inch extension (furnished when ordered). Also furnished are 5 Type C Copper Tips, Hose Connections and Two Mixers which permit regulation of the mixture in proportion to the tips being used. The Type X Torch is furnished with Imperial Outfits No. 111, 114, and 115.

Type X Welding Torch, with 5 Tips. Each.....\$24.50

Type 4X Welding Torch



The Type 4X Imperial Welding Torch is of the same general design as the Type X and 4X Welding Torches, but is smaller in size, being 16 inches long. It is ideal for sheet metal and auto repair work and for general use in garages and repair shops. Complete with 4 Copper Tips. The Type 4X Imperial Welding Torch is furnished with Imperial Outfits Nos. 112 and 117.

Type 4X Welding Torch, complete, with Tips. Each....\$19.50

Type 3X Welding Torch



The Type 3X Imperial Welding Torch is of the same general design as the Type X and 4X Welding Torches, but is smaller than either, being 13 inches in length. It is admirable for use in light repair, production, airplane and jewelry work, etc. Complete with 4 Copper Tips, one each of 1, 2, 3, and 4.

Type 3X Welding Torch, complete, with Tips. Each...\$17.50

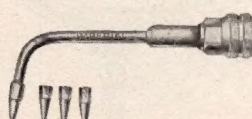
Type 6X Airplane Welding Torch



The Type 6X Airplane Welding Torch will give faster and better welds, as it is especially designed for airplane work. Weighs only 6 ounces and length overall is only 10 inches. Furnished with 4 tips, A1 to A4.

Type 6X Welding Torch, complete with Tips. Each...\$12.50

Type XL Lead Burning Attachment

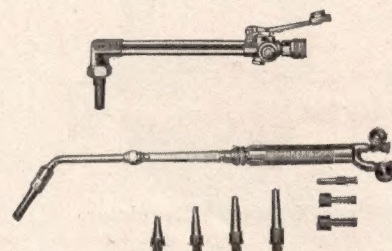


The Type XL Lead Burning Attachment includes four tips, Nos. L-0, L-1, L-2, and L-3. Easily and quickly attached to Type X or 4X Imperial Welding Torch by simply removing the tip holder and screwing the attachment in place.

Type XL Lead Burning Attachment, with Tips. Each..\$4.00

Imperial Welding and Cutting Torches are regularly furnished with Oxy-Acetylene Tips, but, when requested, Tips for Oxy-Hydrogen will be furnished at the same prices.

Combination Cutting and Welding Torches



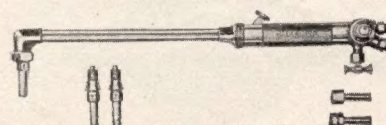
Type XA Imperial Combination Welding and Cutting Torch

The Type XA Imperial Combination Welding and Cutting Torch consists of the standard Type X Imperial Welding Torch and the Type X Imperial Cutting Attachment. It is readily changed from a welding to a cutting torch and is designed for use where most of the work is welding and only occasional cutting is required. Five Type C Welding Tips, 1 Type 2R Cutting Tip, Hose Connections, and Mixers are also supplied. Regularly furnished with Imperial Outfit No. 114.

Type XA Combination Torch, with Tips. Each.....\$42.00

Type 4XA Imperial Combination Welding and Cutting Torch consists of the standard Type 4X Imperial Welding Torch and the Type X Imperial Cutting Attachment. Furnished with four Type C Welding Tips, one Mixer, two Hose Connections and with one Type 2-R Copper Cutting Tip. Price, complete, each \$37.00

Type R Cutting Torch

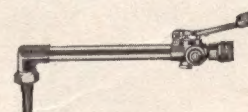


The Type R Imperial Cutting Torch is a real one hand torch, the cutting jet being controlled by a thumb-operated valve. Easily operated and highly efficient, it will cut with great speed and minimum consumption of gases. May be easily taken apart for inspection and repair. Three Type R Cutting Tips and Hose Connections are supplied. This torch is regularly furnished with Imperial Outfits Nos. 113 and 115.

Type R Cutting Torch, with Tips. Each.....\$39.50

Type R Torch may be had with 90 degrees head (standard) or 67½ degree head (special).

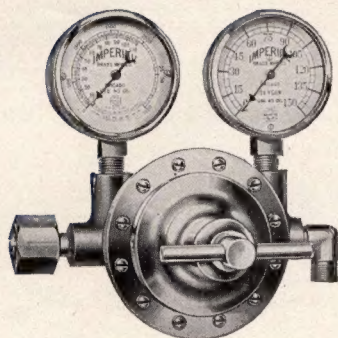
Type X Cutting Attachment



The Type X Imperial Cutting Attachment is equipped with Type 2R Cutting Tip. Easily and quickly assembled to the Type X or 4X Imperial Welding Torch by simply removing the Tip Holder and screwing the attachment in place. This attachment is a regular part of the Type XA Imperial Torch furnished with Imperial Outfit No. 114 but may be purchased separately if desired for attachment to the Type X or Type 4X Imperial Welding Torch.

Type X Cutting Attachment, with Cutting Tip. Each..\$17.50

Imperial Regulators



Type K Oxygen Regulator

Has ample capacity for nearly all welding and cutting work. On extra thick cutting, requiring 100 lbs. or more oxygen pressure, the Imperial Type HP regulator is recommended.

Has a 150-lb. working pressure gauge and a 3,000-lb. cylinder pressure gauge.

Type K Imperial Oxygen Regulator.

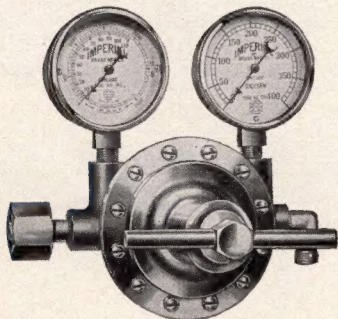
Price\$22.50

Type KH Hydrogen Regulator

Similar to Type K but is for use with hydrogen for general cutting and welding. Has 150-lb. working pressure gauge and 3,000-lb. cylinder pressure gauge. Diameter of diaphragm, 4 inches.

Type KH Imperial Hydrogen Regulator.

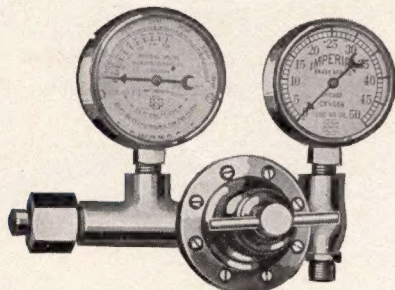
Price\$24.50



Type HP Oxygen Regulator

Especially designed for extra high pressure cutting. A working pressure of 100 lbs. or higher is easily obtainable. It is fitted with a 400-lb. working pressure gauge and a 3,000-lb. cylinder pressure gauge, with double scale, showing both pressure and volume of gas in cylinder.

Type HP Imperial Oxygen Regulator. Price.....\$25.00

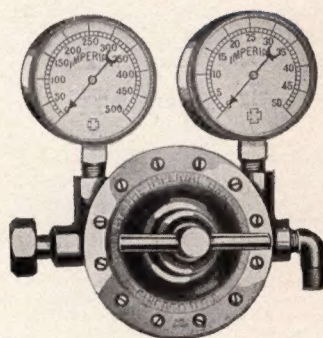


Type B Imperial Oxygen Regulator

The Type B Oxygen Regulator is fitted with a 50-lb. working pressure gauge, and a 3,000-lb. cylinder pressure gauge. Each\$16.50

Type BB Imperial Acetylene Regulator

The Type BB Regulator is similar to Type B shown above, except for use with acetylene; 50-lb. Working Pressure Gauge and 500-lb. Cylinder Pressure Gauge. Each.....\$13.50

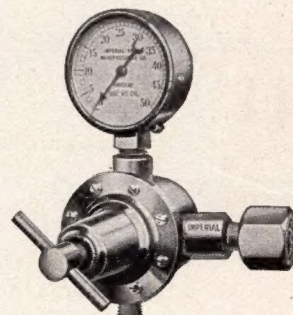


Type AA Acetylene Regulator

Has ample capacity for the largest welding and cutting work. Fitted with a 50-lb. working pressure gauge and a 500-lb. cylinder pressure gauge.

Type AA Imperial Acetylene Regulator.

Price\$19.50



Type D Oxygen Regulator

Fitted with a 50-lb. working pressure gauge. This regulator is used for light welding, carbon burning and lead burning.

Type D Imperial Oxygen Regulator. Price.....\$10.00

Type DD Imperial Acetylene Regulator

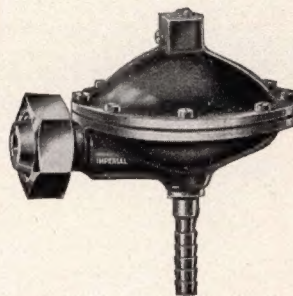
Similar to Type D shown above except for use with acetylene. With 50-lb. working pressure gauge.

Each\$10.00

Type DH Hydrogen Regulator

Similar to Type D shown above, but is for use with hydrogen for lead burning. Has a 50-lb. working pressure gauge. Diameter of diaphragm, 2½ inches.

Type DH Imperial Hydrogen Regulator. Price.....\$10.00



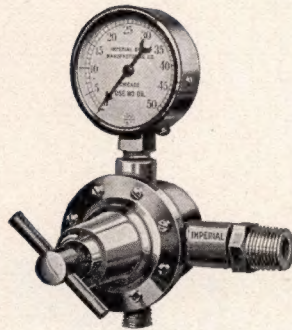
Type 10-R Regulator

Constant Pressure Regulator, used for acetylene or compressed air. Particularly adapted to lead burning.

Type 10-R Imperial Constant Pressure Regulator.

Price\$5.00

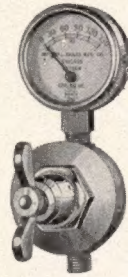
Imperial Pipe Line Regulators



**TYPE DG OXYGEN PIPE
LINE REGULATOR**

To reduce pressures ranging from 15 to 150 lbs. to pressures ranging from 0 to 50 lbs. Has 50 lb. pressure gauge. Diameter of diaphragm, 2 5/8 in. Inlet threaded 1/2 in. I.P.T. size.

Type DG Imperial Oxygen Regulator.
Price\$10.00



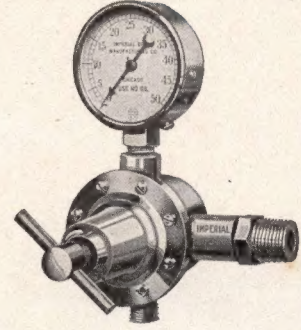
**TYPE 74-C PIPE LINE
AIR REGULATOR**

This is our latest model of Pipe Line Air Regulator for reducing air to lower pressures.

Has 100 lb. pressure gauge. Diameter of diaphragm, 2 in.

Inlet is in rear and has 1/2 in. male iron pipe thread and 1/4 in. female iron pipe thread. Outlet at bottom is for 1/4 in. iron pipe thread.

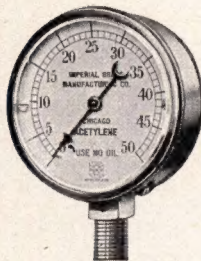
Furnished in chromium plate finish.
No. 74-C Air Regulator. Price....\$9.00



**TYPE DDG ACETYLENE
PIPE LINE REGULATOR**

To reduce pressures ranging from 15 to 25 lbs. to pressures ranging from 0 to 15 lbs. Has 50 lb. pressure gauge. Diameter of diaphragm, 2 5/8 in. Inlet threaded 1/2 in. I.P.T. size.

Type DDG Imperial Acetylene Regulator. Price\$10.00



GAUGES

	Each
No. 18-A 2 1/2" 3000-lb. Pressure Gauge for Types HP, K and B Oxygen Regulators.....	\$5.00
No. 19-A 2 1/2" 500-lb. Pressure Gauge for Types AA and BB Acetylene Regulators.....	2.75
No. 21-A 2 1/2" 50-lb. Pressure Gauge for Type AA Acetylene Regulator.....	2.75
No. 22-A 2 1/2" 150-lb. Pressure Gauge for Type K Oxygen Regulator.....	2.75
No. 23-A 2 1/2" 400-lb. Pressure Gauge for Type HP Oxygen Regulator.....	2.75
No. 43-A 50-lb. Iron Case Pressure Gauge for Types D and B Oxygen Regulators.....	2.50
No. 44-A 50-lb. Iron Case Pressure Gauge for Types DD and BB Acetylene Regulators....	2.50
Pressure Gauge for No. 74-C Air Regulator.....	2.50

For a Regulator less Pressure Gauges, deduct price of Gauge from price of Regulator.

REGULATOR CYLINDER ADAPTERS



No. 262-H Prest-O-Lite Adapter \$1.50

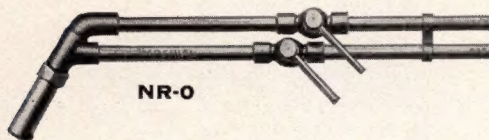


No. 260-H Prest-O-Lite Adapter \$1.00



No. 61-H Air Reduction or Commercial Adapter\$0.60

IMPERIAL GAS AND AIR BLOW TORCHES



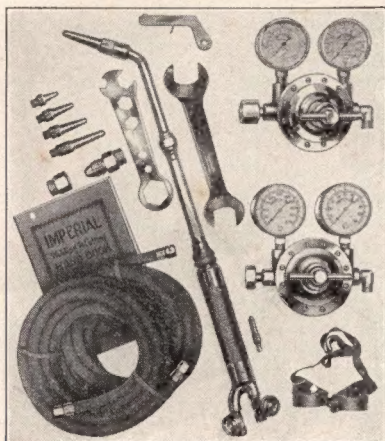
Imperial Torches are furnished in two types for use with gas and air. The "R" type is for use with artificial or manufactured gas and compressed air. The "NR" type is for use with natural gas, mixed gases, artificial gas, and compressed air.

Furnished in various sizes and are very efficient and economical. Used by jewelers, dentists, garages, service stations, tool rooms, industrial plants, in fact any place where preheating, annealing tools, and soldering are done.

The "R-1" and "NR-1" torches are used for soldering radiators.

Torch No.	Inside Diameter of Air Nozzle	Inside Diameter of Gas Nozzle	Outside Diameter of Tubing at Hose End	Price Each
R-0	1/8 inch	1/4 inch	1/8 inch	\$ 2.50
R-1	1/8 inch	21/64 inch	3/8 inch	2.75
R-2	1/4 inch	33/64 inch	1/2 inch	3.50
R-3	1/2 inch	22/32 inch	5/8 inch	4.50
NR000.....			1/8 inch	5.00
NR00.....			1/8 inch	5.00
NR0.....			1/8 inch	5.00
NR1.....			3/8 inch	5.50
NR2.....			1/2 inch	8.00
NR3.....			5/8 inch	14.00

IMPERIAL No. 111 WELDING OUTFIT

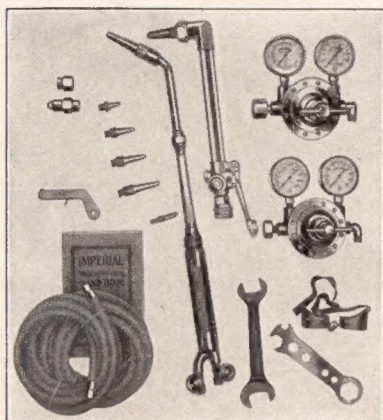


This welding outfit will do all welding work, from thin sheet metal to heaviest castings.
Consists of:

- Type X Welding Torch with 5 Type C Copper Welding Tips and 2 Mixers.
- Type K Double Gauge Oxygen Regulator.
- Type AA Double Gauge Acetylene Regulator.
- 12½-ft. length Heavy Duty Oxygen Hose.
- 12½-ft. length Heavy Duty Acetylene Hose.
- 1 pair Welding Goggles, 1 Spark Lighter.
- 2 Wrenches, complete Welding Handbook, and Tank Adapters.

No. 111 Imperial Welding Outfit. Price.....\$69.50
Steel Carrying Case. Extra..... 6.00

IMPERIAL No. 114 WELDING AND CUTTING OUTFIT

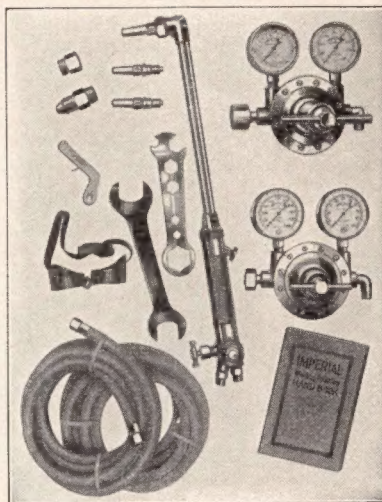


Adaptable for maintenance work or for use in garages, repair shops, etc., where light and heavy welding and a nominal amount of cutting is to be done. The cutting attachment can be quickly attached to the welding torch, thus converting it into a cutting torch when desired.
Consists of:

- Type X Welding Torch with 5 Type C Copper Welding Tips and 2 Mixers.
- Type X Cutting Attachment, with No. 2R Cutting Tip and Locknut.
- Type K Double Gauge Oxygen Regulator.
- Type AA Double Gauge Acetylene Regulator.
- 12½-ft. length Heavy Duty Oxygen Hose.
- 12½-ft. length Heavy Duty Acetylene Hose.
- 1 pair Welding Goggles, 1 Spark Lighter, 2 Wrenches, Tank Adapters, and complete Cutting and Welding Handbook.

No. 114 Welding and Cutting Outfit. Price.....\$87.00
Steel Carrying Case. Extra..... 6.00

IMPERIAL No. 113 CUTTING OUTFIT

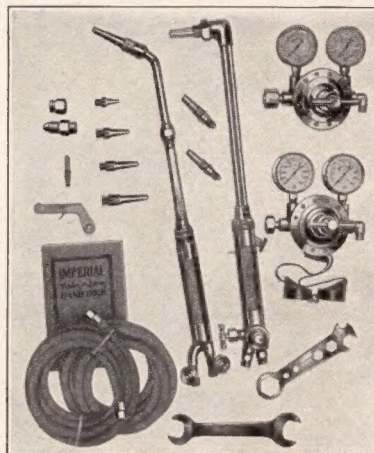


Designed for wrecking contractors, boiler shops, structural steel work, etc., where continuous cutting is done. Cuts wrought iron and steel from ⅛ inch to 12 inches or more in thickness.
Consists of:

- Type R Cutting Torch with 3 Copper Cutting Tips and Lock Nut.
- Type HP High Pressure Double Gauge Oxygen Regulator.
- Type AA Double Gauge Acetylene Regulator.
- 25-ft. length Heavy Duty Oxygen Hose.
- 25-ft. length Heavy Duty Acetylene Hose.
- Spark Lighter, one pair Goggles, 2 Wrenches, complete Cutting Handbook, and Tank Adapters.

No. 113 Imperial Cutting Outfit. Price.....\$92.00
Steel Carrying Case. Extra..... 6.00

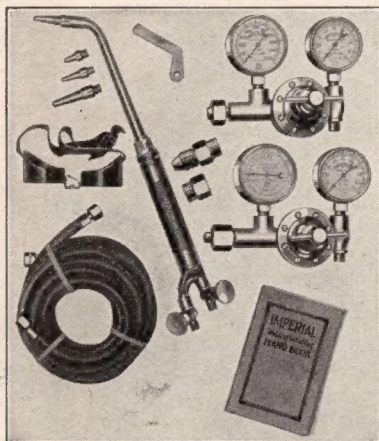
IMPERIAL No. 115 WELDING AND CUTTING OUTFIT



One of the finest Oxy-Acetylene Outfits available. Does welding from the lightest to the heaviest and cuts wrought iron and steel up to 12 inches thick. Consists of:

- Type X Welding Torch with 5 Type C Copper Welding Tips and 2 Mixers.
- Type R Cutting Torch with 3 Type R Tips and Lock Nut.
- Type K Double Gauge Oxygen Regulator.
- Type AA Double Gauge Acetylene Regulator.
- 25-ft. length Heavy Duty Oxygen Hose.
- 25-ft. length Heavy Duty Acetylene Hose.
- 1 pair Welding Goggles, 1 Spark Lighter.
- 2 Wrenches, Tank Connections and a complete Welding and Cutting Instruction Book.

No. 115 Imperial Welding and Cutting Outfit.
Price\$117.50
Steel Carrying Case. Extra..... 6.00

IMPERIAL No. 117 WELDING OUTFIT

An "All Purpose" Outfit for every repair shop and factory.

Consists of:

- Type 4-X Welding Torch, 4 Copper Welding Tips.
- 1 Type B Double Gauge Oxygen Regulator.
- 1 Type BB Double Gauge Acetylene Regulator.
- 12½-ft. length Heavy Duty Oxygen Hose.
- 12½-ft. length Heavy Duty Acetylene Hose.
- 2 Wrenches, pair Goggles, Spark Lighter, Tank Adapters, and Welding Instruction Book.

No. 117 Imperial Welding Outfit. Price.....\$54.50
 With Cutting Attachment. Price..... 72.00
 Steel Carrying Case. Extra..... 4.50

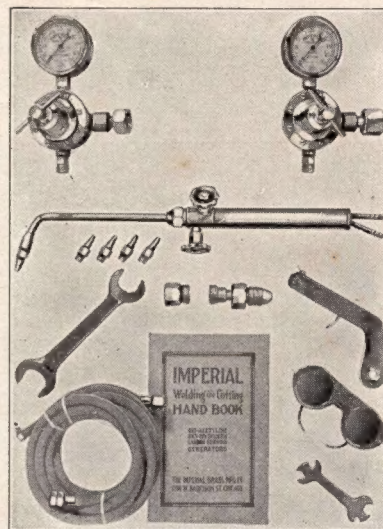
IMPERIAL No. 112 WELDING OUTFIT

This outfit is similar to No. 117 excepting that the Regulators are single gauge instead of double gauge.

Consists of the following:

- Type 4-X Welding Torch and 4 Copper Welding Tips.
- Type D Oxygen Regulator.
- Type DD Acetylene Regulator.
- 12½-ft. length Heavy Duty Oxygen Hose.
- 12½-ft. length Heavy Duty Acetylene Hose.
- 2 Wrenches, Spark Lighter, Tank Adapters, 1 pair Goggles and Welding Instruction Book.

No. 112 Imperial Welding Outfit. Price.....\$45.00
 With Cutting Attachment. Price..... 62.50
 Steel Carrying Case. Extra..... 4.50

IMPERIAL No. 118 AIRPLANE WELDING OUTFIT

Especially designed for airplane construction and repair. The Type 6-X Torch is light in weight and small enough to get into hard-to-get-at places. Also is ideal for automotive fender welding, while jewelers use it for melting metals.

Consists of the following:

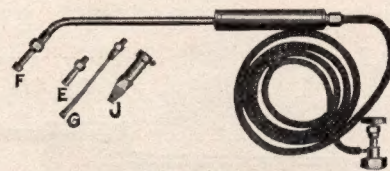
- Type 6-X Welding Torch and 5 Tips.
- Type D Oxygen Regulator.
- Type DD Acetylene Regulator.
- 12½-ft. length Oxygen Hose.
- 12½-ft. length Acetylene Hose.
- 2 Wrenches, No. 76-H Welding Spectacles, Spark Lighter and Welding Instruction Book.

No. 118 Imperial Welding Outfit. Price.....\$37.50
 Steel Carrying Case. Extra..... 3.00

IMPERIAL No. 119 AIRPLANE WELDING OUTFIT

This outfit is similar to the No. 118 described above, except it has the Type B Double Gauge Oxygen Regulator instead of the Type D One Gauge Regulator. It also has the Type BB Double Gauge Acetylene Regulator instead of the Type DD One Gauge Regulator.

No. 119 Imperial Welding Outfit. Price.....\$47.00
 Steel Carrying Case. Extra..... 3.00

IMPERIAL SOLDERING AND BRAZING OUTFITS

No. 31 Outfit

The No. 31 is an ideal outfit for radiator work and for all kinds of soldering, brazing and light pre-heating work in garages, repair shops, etc. Torch burns acetylene, and the tips draw in the necessary oxygen from the atmosphere.

Tank connection fits the small Presto automobile acetylene light tank, but can be used on large size cylinders by means of an adapter.

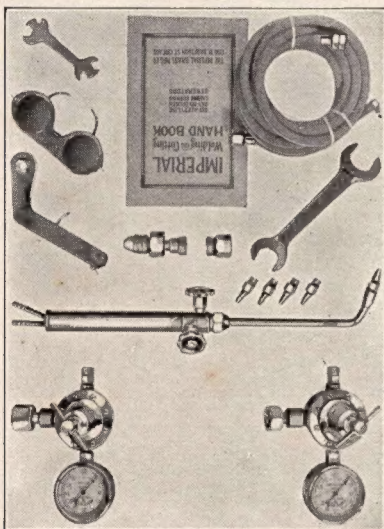
Consists of Type AO Torch, 4 tips (one long spout for radiator soldering), 6-ft. Hose and Needle Shutoff Valve.

No. 31 Outfit. Price.....\$7.00

No. 30 Outfit is the same as No. 31 excepting that it does not have the J soldering iron and needle shutoff valve, but is furnished with tank connection.

Price\$4.50

IMPERIAL No. 118 AIRPLANE WELDING OUTFIT



Especially designed for airplane construction and repair. The Type 6-X Torch is light in weight and small enough to get into hard-to-get-at places. Also is ideal for automotive fender welding, while jewelers use it for melting metals.

Consists of the following:
Type 6-X Welding Torch and 5 Tips.
Type D Oxygen Regulator.
Type DD Acetylene Regulator.
12½-ft. length Oxygen Hose.
12½-ft. length Acetylene Hose.
2 Wrenches, No. 76-H Welding Spectacles, Spark Lighter and Welding Instruction Book.

No. 118 Imperial Welding Outfit. Price.....\$37.50
Steel Carrying Case. Extra..... 3.00

IMPERIAL No. 119 AIRPLANE WELDING OUTFIT

This outfit is similar to the No. 118 described above, except it has the Type B Double Gauge Oxygen Regulator instead of the Type D One Gauge Regulator. It also has the Type BB Double Gauge Acetylene Regulator instead of the Type DD One Gauge Regulator.

No. 119 Imperial Welding Outfit. Price.....\$47.00
Steel Carrying Case. Extra..... 3.00

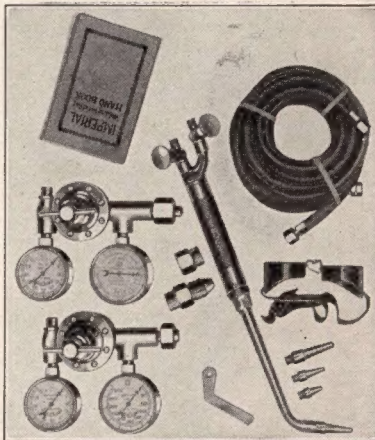
IMPERIAL SOLDERING AND BRAZING OUTFITS



The No. 31 is an ideal outfit for radiator work and for all kinds of soldering, brazing and light pre-heating work in garages, repair shops, etc. Torch burns acetylene, and the tips draw in the necessary oxygen from the atmosphere. Tank connection fits the small Presto automobile acetylene light tank, but can be used on large size cylinders by means of an adapter.

Consists of Type AO Torch, 4 tips (one long spout for radiator soldering), 6-ft. Hose and Needle Shutoff Valve. No. 31 Outfit. Price.....\$7.00
No. 30 Outfit is the same as No. 31 excepting that it does not have the soldering iron and needle shutoff valve, but is furnished with tank connection. Price.....\$4.50

IMPERIAL No. 117 WELDING OUTFIT



An "All Purpose" Outfit for every repair shop and factory.

Consists of:
Type 4-X Welding Torch, 4 Copper Welding Tips.
1 Type B Double Gauge Oxygen Regulator.
1 Type BB Double Gauge Acetylene Regulator.
12½-ft. length Heavy Duty Oxygen Hose.
12½-ft. length Heavy Duty Acetylene Hose.
2 Wrenches, pair Goggles, Spark Lighter, Tank Adapters, and Welding Instruction Book.

No. 117 Imperial Welding Outfit. Price.....\$54.50
With Cutting Attachment. Price..... 72.00
Steel Carrying Case. Extra..... 4.50

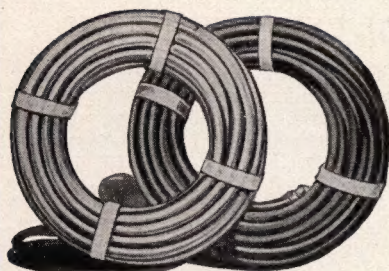
IMPERIAL No. 112 WELDING OUTFIT



This outfit is similar to No. 117 excepting that the Regulators are single gauge instead of double gauge.

Consists of the following:
Type 4-X Welding Torch and 4 Copper Welding Tips.
Type D Oxygen Regulator.
Type DD Acetylene Regulator.
12½-ft. length Heavy Duty Oxygen Hose.
12½-ft. length Heavy Duty Acetylene Hose.
2 Wrenches, Spark Lighter, Tank Adapters, 1 pair Goggles and Welding Instruction Book.

No. 112 Imperial Welding Outfit. Price.....\$45.00
With Cutting Attachment. Price..... 62.50
Steel Carrying Case. Extra..... 4.50



Imperial Welding Supplies

WELDING, CUTTING AND LEAD BURNING HOSE

Extra quality hose for welding and cutting are furnished with all Imperial Equipment. The hose is corrugated and is regularly equipped with standard hose connections. To enable you to easily identify the hose, two colors are regularly furnished. Green hose for oxygen and red hose for acetylene.

Catalog No.	Color	Gas	Length	Inside Diameter	Outside Diameter	Thread on Nut	Use	Price Per Ft
310H	Green	Oxygen	25' 0"	1/4"	11/16"	9/16 18 R.H.	Welding and Cutting Nos. 113 and 115	\$0.20
311H	Red	Acetylene	25' 0"	1/4"	11/16"	9/16 18 L.H.		
312H	Green	Oxygen	12' 6"	3/16"	15/32"	9/16 18 R.H.	When Ordered	.16
313H	Red	Acetylene	12' 6"	3/16"	15/32"	9/16 18 L.H.		
314H	Green	Oxygen	12' 6"	1/4"	11/16"	9/16 18 R.H.	Outfits Nos. 111 and 114 112 and 117	.20
315H	Red	Acetylene	12' 6"	1/4"	11/16"	9/16 18 L.H.		
317H	Copper	Acetylene	25' 0"	5/16"	3/4"	9/16 18 L.H.	Cutting	.35
318H	Armored	Oxygen				9/16 18 R.H.		
319H 320H	Red	.....	25' 0" 12' 6"	3/16"	3/8"	Without Couplings	Lead Burning	.12
322H	Green	Oxygen	12' 6"	1/8"	7/16"	9/16 18 R.H.	Outfits Nos. 118 and 119	.16
323H	Red	Acetylene	12' 6"	1/8"	7/16"	9/16 18 L.H.		
23H	Braided	Acetylene	6' 0"	3/16"	3/8"	Without Couplings	Outfits Nos. 30 and 31	.12

Imperial Welding and Cutting Goggles



Nos. 86-H and 87-H Goggles

The No. 87-H Goggles are light, rust-proof, sanitary, strong and perfect fitting. Amber lenses of just the right density give full protection to the eyes.

Easily renewable, plain glass cover lenses protect the amber lenses from blistering. Can be worn with comfort.

The No. 86-H are similar to the No. 87-H, except lighter and less expensive.

- No. 86-H Welding and Cutting Goggles, per pair...\$2.00
- No. 87-H Welding and Cutting Goggles, per pair... 3.00
- No. 88-H Amber Lens for No. 87-H Goggles, each... .75
- No. 89-H Blue or Green Lenses for No. 87-H, each... .50
- No. 90-H Cover Glass for No. 87-H Goggles, each... .15
- No. 111-H Amber Lens for No. 86-H, each... .50
- No. 112-H Blue or Green Lenses for No. 88-H, each... .50
- No. 113-H Clear Cover Glass for No. 86-H, each... .15

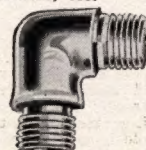
Imperial Welding and Cutting Spectacles



No. 376-H Spectacles

- No. 376-H Spectacles with Essentialite Lenses. Per pair\$2.00
- No. 376-HH Essentialite Amber Lens for No. 76-H. Each50
- No. 377-H Smoked Green Lens for No. 376-H. Each50

Copper Armored Hose as illustrated is recommended for extra service, particularly for cutting in wrecking work where the hose is to be dragged over rough ground, iron girders, etc.



Standard Hose Connections and Elbows

240-H for oxygen. One end 1/4" I. P. thread, other end 9/16-18 right hand.

241-H for acetylene. One end 1/4" I. P. thread, other end 9/16-18 left hand.

No. 240-H
No. 241-H



No. 210-H
Oxygen

210-H for 9/16" diameter hose.

210-H for 1/4" inside diameter hose.

210-H for 9/16" inside diameter hose.

Oxygen nuts machined 9/16-18 right hand thread.

Acetylene nuts are grooved to indicate left hand thread.

When ordering please mention inside diameter of hose. Connections for 1/4" I.D. hose will be shipped when not otherwise specified.



No. 211-H
Acetylene

211-H for 9/16" inside diameter hose.

211-H for 1/4" inside diameter hose.

211-H for 9/16" inside diameter hose.

Acetylene nuts machined 9/16-18 left hand thread.

When ordering please mention inside diameter of hose. Connections for 1/4" I.D. hose will be shipped when not otherwise specified.



No. 214-H Oxygen

No. 214-H Oxygen — Both ends machined 9/16-18 right hand thread.

No. 215-H Acetylene — Both ends machined 9/16-18 left hand thread.



No. 215-H Acetylene

No. 104-H and No. 114-H

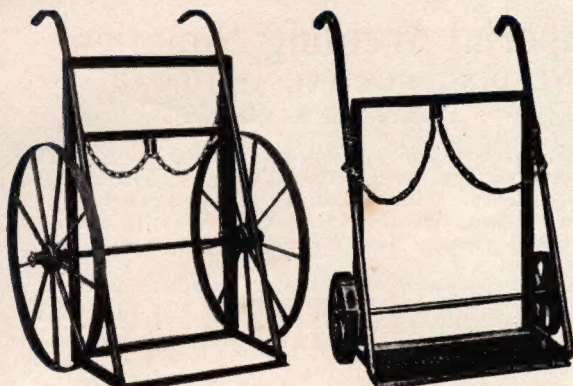
No. 104-H — For 5/16" hose to slip over.

No. 114-H — For 1/4" hose to slip over.



ALL STANDARD HOSE CONNECTIONS AND ELBOWS LISTED ABOVE, PRICE, 24c EACH

No. 105-H Hose Clamps (5/8" O. D. Hose). Price, each\$0.06



No. 50-H

Nos. 51-H and 52-H
Trucks

IMPERIAL CYLINDER TRUCKS

For use with Imperial Welding and Cutting Outfits. A great convenience when outfit is moved around shop or yards, and eliminates danger of tanks being knocked over and consequent breakage of apparatus.

Trucks Nos. 51-H, 52-H and 53-H are designed for shop use on board or cement floors, and the No. 50-H for yard or outside use.

The large diameter of the wheels—30 inches, and broad tread, on 50-H make it easy to roll over uneven floor or ground.

The Cylinder Trucks are made in four sizes, as follows:

Cat. No.	Platform in Inches	Wheels in Inches	Height in Inches	Weight in Lbs.	Cylinders Feet	Price Each
50-H	13x26	30x2	50	100	1-200 and 1-300	\$25.00
51-H	9½x18	11x1¾	38	45	2-100	14.00
52-H	13x22½	11x1¾	35½	55	1-200 and 300	15.00
53-H	8½x10	11x1¾	39½	34½	1-100 or 1-200	12.00

IMPERIAL GASWELD FLUX



Imperial Gasweld Flux will help you to weld and braze better. A universal flux that dissolves oxides quickly, releases trapped gases, clears the surface to be worked on, and "makes metal flow easy." You will find it far superior to ordinary flux for welding cast iron and steel and for brazing or bronze welding cast iron, malleable iron, and steel. Try Imperial Gasweld Flux for welding steel to cast iron, malleable iron to cast iron, or malleable iron to steel.

Experienced welders tell us that it enables them to save time and labor and to turn out better work. Metal flows uniformly when this new compound is used, promoting perfect fusion. The price of a 1-lb. can is only \$1.50.

Order a 1-lb. can of this new flux today. Use it on your next job. If you are not more than pleased with results, return what you have left and the full purchase price will be refunded.

Gasweld Flux, 1 pound can. Each.....\$1.50



Imperial Welding Flux

No. 20-H For welding cast iron.
½-lb. cans\$0.20

No. 20-H 1-lb. cans38

No. 21-H For welding brass, bronze and copper, per lb.\$0.50

No. 22-H For welding aluminum, per lb.\$2.00

SPARK LIGHTER (Shoot-a-Lite)

Offers a convenient method of lighting welding and cutting torches. Each pull of the trigger produces a shower of sparks.

No. 279-H

Spark Lighter.

Price, each\$0.50

No. 280-H

Extra Flint.

Price, each\$0.10



Friction Spark Lighter

No. 59-H Friction Spark Lighter. Each\$0.25

No. 59-HH Renewal Tips. Each\$0.10

No. 279-H
Spark Lighter

WELDING CARBONS, PLATES AND PASTE

WELDING CARBONS (Round Rod)

¼"x12". Each.....\$0.15	½"x24". Each.....\$0.40
¼"x12". Each..... .15	¾"x24". Each..... .50
⅝"x12". Each..... .15	¾"x24". Each..... .60
¾"x12". Each..... .15	1" x24". Each..... .70
¾"x12". Each..... .20	1¼"x24". Each..... 1.25
¾"x12". Each..... .25	1½"x24". Each..... 2.00
¾"x12". Each..... .30	2" x24". Each..... 4.00
1" x12". Each..... .35	

WELDING CARBON PLATES

¼"x12"x12". Each....\$2.00	½"x 4"x24". Each.... 1.50
⅝"x12"x12". Each.... 2.25	½"x6"x24". Each....\$2.25
¾"x12"x12". Each.... 2.50	¾"x5"x18". Each.... 1.75
1½"x12"x12". Each.... 2.75	1"x6"x30". Each.... 3.50
¾"x12"x12". Each.... 3.00	Welders' Carbon Paste,
¾"x12"x12". Each.... 3.25	5-lb. package only.
1½"x 6"x 6". Each.... 1.25	Per pound .....\$0.35

IMPERIAL ASBESTOS PAPER

A necessity in the welding shop for preheating work and preventing castings from cooling off too rapidly after being welded. Furnished in 10-lb. rolls or larger, 36" wide and ⅜" in thickness.....20c lb.

IMPERIAL WELDING AND CUTTING GLOVES

These gloves are strong and serviceable, made from high-grade materials, and afford ample protection against heat.

The No. 54-H Glove is made of mineral tanned horsehide.
Price, pair\$1.75

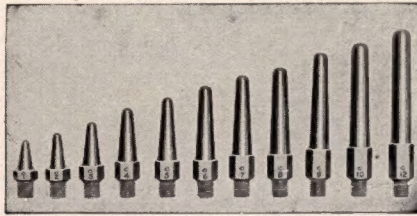
The No. 56-H Glove is made of asbestos cloth with fleece lining.
Price, pair\$2.75

No. 56-H
Asbestos Gloves

IMPERIAL WELDING TIPS

(Oxy-Acetylene)

For use with Torches Types X, XA, 4X, and 4XA.

**Type C Imperial Welding Tips**

Imperial Copper Welding Tips have been very carefully designed, each one being correctly shaped to carry the maximum amount of heat without loss by radiation. They are made of solid, hard drawn copper rod, which is the highest heat-resisting tip material known, and are machined with $\frac{1}{2}$ inch No. 20 thread, which gives greater strength at that point, and provides inside capacity for the taper bore. This taper bore construction increases the gas velocity, thus producing the maximum in heat units and prevents back-fires.

Nos. 0-C, 1-C, 2-C, 3-C, and 4-C Welding Tips. Each \$1.00
 Nos. 5-C, 6-C, 7-C, and 8-C Welding Tips. Each.... 1.50
 Nos. 9-C and 10-C Welding Tips. Each..... 2.00
 No. 12-C Welding Tips (Requires No. 12 Mixer, Price, \$1.00). Each..... 2.50

Welding Tips—Oxy-Hydrogen

Nos. 1CH and 2CH. Each.....\$1.00
 Nos. 3CH and 4CH. Each..... 1.50
 No. 5CH. Each..... 2.00

Tips for 3X Welding Torch

Tips Nos. 1, 2, and 3. Price, each.....\$0.75
 Tips Nos. 4 and 5. Price, each..... .90

Tips for 6X Welding Torch

Nos. A1, A2, A3, A4, and A5. Price, each.....\$0.50

Tip Cleaners

No. 259-H Tip Cleaners (Nos. 1-C to 10-C),
 Per set of ten.....\$3.00
 Tip Cleaners separately. Each..... .30

Wrenches

No. 8-H Wrench for Welding and Cutting Torches.
 Each\$0.75
 No. 98-H Wrench for Regulators. Each..... .75
 No. 99-H Wrench for Type X Cutting Attachment.
 Each50

No. 263-H Adapter

No.
263-H

Inside Thread $\frac{1}{8}$ -27 Right Hand.
 Outside Thread $\frac{1}{2}$ -20 Right Hand.

To connect Tips with $\frac{1}{8}$ -27 Threads, used for Welding, Carbon Burning, Lead Burning and Soldering, to new style Welding Torches.

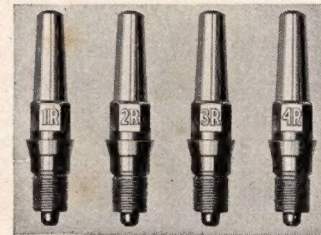
Price, each\$0.24

Parts for No. 30 and No. 31 Outfits

	Each
Type A-0 Torch only	\$1.50
Type E Brazing Tip.....	.75
Type F Brazing Tip.....	.75
Type G Soldering Tip.....	.75
Type J Soldering Iron.....	1.00
No. 12-R Needle Shut-Off Valve.....	1.50
Nut and Tailpiece for No. 30 Outfit.....	.75
No. 23-H, 6-Foot Length Hose, less connections, Foot .....	.12

IMPERIAL CUTTING TIPS

For use with Type R Torch and Type X Attachment.

**Type R Imperial Cutting Tips**

Imperial Type A Cutting Tips are made of pure, hard drawn copper. The opening for the cutting jet of oxygen is surrounded by smaller openings for the preheating flame, enabling operator to change direction of cut without altering position of work or torch. Numbered 1R, 2R, 3R and 4R. Each\$3.00

Cutting Tips—Oxy-Hydrogen

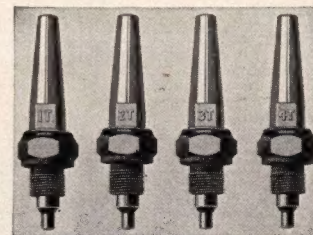
No. 1RH, 2RH, 3RH, and 4RH for Type R Torch and Type X Cutting Attachment. Each.....\$3.00

**Straight Cutting Tips**

Type RS for use with Type R cutting torch or Type X cutting attachment for making straight, accurate cuts. Each tip is furnished complete with lock nut. The cutting end is shaped so that it can rest upon the surface of the metal to be cut and thus facilitate cutting with extreme accuracy. Price, each\$3.50

**Rivet Cutting Tips**

Type RR for use with Type R cutting torch or Type X cutting attachment for cutting off heads of rivets without injuring the adjacent metal. Each tip furnished complete with lock nut. Price, each\$3.50

**Type T Imperial Cutting Tips**

Imperial Type T Cutting Tips are furnished with lock nuts. They are designed for use on the Imperial Old Style cutting Attachments and on Types E and EE Cutting Torches. Numbered 1T, 2T, 3T, and 4T. Each.....\$3.00

Replacement Parts for Imperial Equipment

In ordering repair parts for Imperial Equipment, always be sure to specify the type initials and serial number of your Regulator or Torch. On the Torch this information will be found at the rear end where the hose connects, and on the Regulator, this will be found on the cover where the regulating screw inserts.

EXTRA PARTS FOR IMPERIAL TYPE X WELDING TORCH

Part No.	Price, Each
X6 6-inch Extension	\$1.50
XM Medium Tip Holder with 67½° head, (5 inches long)	1.50
XM90 Medium Tip Holder with 90° head, (5 inches long)	1.50
XS Short Tip Holder, (2 inches long)	1.00
No. 1-7 Mixer	1.00
No. 8-10 Mixer	1.00
No. 12 Mixer	1.00
31320 Oxygen Valve, complete with body, stem and handle	2.00
31321 Acetylene Valve, complete with body, stem and handle	2.00
23671 Hexagon Barrel with Mixer Cover No. 23664	4.00

EXTRA PARTS FOR IMPERIAL TYPE 4X WELDING TORCH

31320 Oxygen Valve, complete with body, stem and handle	\$2.00
31321 Acetylene Valve, complete with body, stem and handle	2.00
23668 Mixer No. 1-7	1.00
26834 Tip Holder with Mixer Cover No. 23664	4.50

To lengthen the Type 4X Torch, it will be necessary to purchase Type XM Tip Holder, No. 23671 Hexagon Barrel and Mixer Cover, as used on the Type X Welding Torch.

EXTRA PARTS FOR IMPERIAL TYPE 3X WELDING TORCH

27204 Oxygen Valve, complete with body, stem and handle	\$1.75
27204 Acetylene Valve, complete with body, stem and handle	1.75
23825 Mixer	1.00
23829 Tip Holder with Mixer Cover No. 23828	3.00

EXTRA PARTS FOR IMPERIAL TYPE R CUTTING TORCH

950 Oxygen Valve, complete with handle, stem and packing nut	\$1.50
22516 High Pressure Spring .....	.10
22517 Nut for head .....	.75
22525 Valve Base with oxygen and acetylene valves, complete	15.00
22526 High Pressure Cast Lever .....	.25
22540 High Pressure Sheet Brass Arm .....	.15
22543 High Pressure Thumb Piece .....	.25
22544 Acetylene Valve, complete with handle, stem and packing nut	1.50
23372 Oxygen Spud .....	.24
23373 Acetylene Spud .....	.24
24470 High Pressure Stem and Seat Button .....	.25
Head with 3 tubes silver soldered in	12.00
22523 (67½°) Head	
24404 (90°) Head (Specify type desired)	

EXTRA PARTS FOR IMPERIAL TYPE X CUTTING ATTACHMENT

1279 Hexagon Bottom Plug	\$0.25
2911 Nut .....	.05
2913 Spring .....	.15
2914 Rubber Diaphragm .....	.15
2915 Square Head Top Plug .....	.25
3434 Ring Washer .....	.10
17300 Upper Valve Stem .....	.15
20233 H. P. Valve Stem with seat and nut .....	.25
22517 Nut for Head .....	.50
23664 Swivel Nut for adapter chamber .....	.75
26815 Cutting Adapter	2.00
26816 Protector or Shield for adapter .....	.75
26818 Adapter Chamber	1.50
26825 H. P. Lever, complete	1.50
27019 H. P. Seat with seat holder .....	.10
27092 Oxygen Adjuster Valve	1.25

EXTRA PARTS FOR IMPERIAL TYPES B AND BB WELDING TORCHES

Type CM one-piece Tip Holder 11½ in. long for Type B Torch	\$4.50
Type C Tip Holder for Type B Torch, 1925 style	1.50
7 in. Extension for Type B Torch, 1925 style	1.50
BU Joint with Nut for Type B Torch, 1925 style	1.00
10180 Valve Assembly (oxygen or acetylene) for type B Torch	1.50
Type CBB one-piece Tip Holder for Type BB Torch, 1926 style	3.00
Type BB Tip Holder for Type BB Torch, 1925 style	2.50
10181 Valve Assembly (oxygen or acetylene) for Type BB Torch	1.25

EXTRA PARTS FOR IMPERIAL TYPE K OXYGEN REGULATOR

Part No.	Price, Each
763 Regulator Body	\$4.50
938 Plug .....	.25
943 Tail Piece .....	.50
948 Connecting Nut .....	.75
953 Cover or Bonnet	2.75
957 Regulating Screw, complete .....	.90
968 Diaphragm only .....	.75
969 Gasket for Diaphragm .....	.30
992 Yoke	1.00
993 Diaphragm Center Piece .....	.75
994 Nozzle .....	.50
1000 Lock Nut for Seat .....	.30
2372 Rear Gasket, small .....	.10
2373 Rear Gasket, large .....	.10
6986 Seat, complete .....	.35
16760 Lock Nut for Rear Spring .....	.30
16761 Guide	1.00
16762 Rear Spring .....	.25
27271 Guide for Rupture Disc	1.00
27272 Cap Nut with Rupture Disc .....	.50
27273 Extra Disc .....	.10
3½ in. Beveled Glass for 3000-lb. Gauge .....	.55
2½ in. Beveled Glass for 3000-lb. Gauge .....	.45
Beveled Glass for 150-lb. Gauge .....	.45

EXTRA PARTS FOR IMPERIAL TYPE AA ACETYLENE REGULATOR

763 Regulator Body	\$4.50
953 Cover or Bonnet	2.75
957 Regulating Screw, complete .....	.90
969 Gasket for Diaphragm .....	.30
992 Yoke	1.00
993 Diaphragm Center Piece .....	.75
994 Nozzle .....	.50
1000 Lock Nut for Seat .....	.30
1004 Tail Piece .....	.50
1006 Connecting Nut .....	.75
1007 Diaphragm only .....	.75
2372 Rear Gasket, small .....	.10
2373 Rear Gasket, large .....	.10
16760 Lock Nut for Rear Spring .....	.30
16761 Guide	1.00
16762 Rear Spring .....	.25
22703 Seat, complete .....	.35
24297 Elbow Connection .....	.24
27271 Guide for Rupture Disc	1.00
27272 Cap Nut with Rupture Disc .....	.50
27273 Extra Disc .....	.10
Beveled Glass for Gauges .....	.45

EXTRA PARTS FOR IMPERIAL TYPES B AND D OXYGEN REGULATORS

943 Tail Piece	\$0.50
948 Connecting Nut .....	.75
1078 Cover or Bonnet	2.00
1086 Nozzle .....	.50
1093 Gasket for Diaphragm .....	.20
1118 Diaphragm Center Piece .....	.50
1121 Yoke .....	.75
1122 Guide .....	.75
1131 Plug .....	.25
1143 Lock Nut for Seat .....	.15
1164 Diaphragm .....	.60
6738 Regulating Screw .....	.60
6860 Diaphragm assembled with yoke and center piece	1.85
6963 Seat, complete .....	.40
17766 Rear Spring .....	.10
24479 Regulator Spud .....	.24
27267 Guide for Rupture Disc .....	.75
27268 Cap Nut with Rupture Disc .....	.40
27270 Extra Disc .....	.10
23457 Body only for Type B Regulator	3.50
1312 Body only for Type D Regulator	3.00

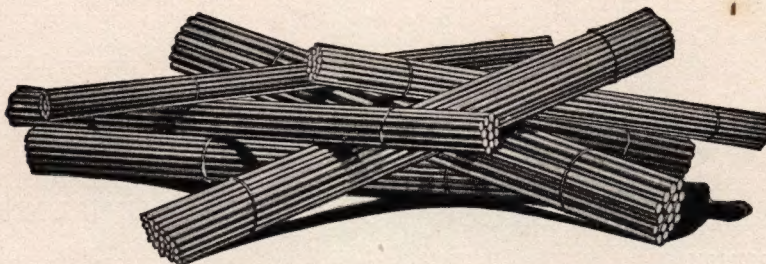
EXTRA PARTS FOR IMPERIAL TYPES BB AND DD ACETYLENE REGULATORS

F004 Tail Piece	\$0.50
1006 Tail Nut .....	.75
1078 Cover or Bonnet	2.00
1084 Diaphragm .....	.60
1086 Nozzle .....	.50
1093 Gasket for Diaphragm .....	.20
1118 Diaphragm Center Piece .....	.50
1121 Yoke .....	.75
1122 Guide .....	.75
1131 Plug .....	.25
1143 Lock Nut for Seat .....	.15
6738 Regulating Screw .....	.60
6963 Seat, complete .....	.40
17766 Rear Spring .....	.10
24494 Regulator Spud .....	.24
27267 Guide for Rupture Disc .....	.75
27268 Cap Nut with Rupture Disc .....	.40
27270 Extra Disc .....	.10
23457 Body only for Type BB Regulator	3.50
1312 Body only for Type DD Regulator	3.00

For additional repair parts for Imperial Equipment write for Repair Parts List No. 5.

Imperial Welding Rod Price List

Prices Subject to Change without Notice



The use of proper welding rods and fluxes is necessary for good welding. Imperial rods for cast iron, steel, brass, aluminum, etc., and fluxes for different metals are made to our formula and contain elements which assist very materially in the production of high grade welds.

For welding metal that is $\frac{1}{4}$ " or less in thickness, use welding rod $\frac{1}{8}$ " in diameter, while for welding metal $\frac{1}{4}$ " to $\frac{3}{4}$ " thick, the $\frac{3}{16}$ " or $\frac{1}{4}$ " rod should be used. By using only high-grade rod of the proper size and keeping it in contact with the weld, hard spots and cold shots can be prevented.

We carry in stock at all times a full line of best quality Welding Rod and other welding supplies, and endeavor to handle all orders promptly and to provide for our customers one source of supply for reliable welding material and supplies. Imperial Welding Rods are packed in 50-lb. bundles. (Please Order in Full Bundles or Multiples.)

Quantity prices apply on the total of assorted sizes of any one type of welding rod for complete shipment at one time.

ORDER IMPERIAL ROD BY NAME AND NUMBER

IMPERIAL MS

DRAWN LOW CARBON IRON ROD

MILD STEEL. .10 MAX. CARBON. COPPER COATED

Recommended for structural shapes, low carbon steel forgings and castings, for mild steel and all general repair work.

Dia.	Length	Price per Lb. in Quantities of		
		1-99 Lbs.	100-199 Lbs.	200 Lbs. and Up
1/16 in.	36 in.	\$.13	\$.12	\$.11
3/32 in.	36 in.	.11	.10	.09
1/8 in.	36 in.	.10	.09	.08
5/32 in.	36 in.	.10	.09	.08
3/16 in.	36 in.	.10	.09	.08
1/4 in.	36 in.	.10	.09	.08
5/16 in.	36 in.	.10	.09	.08

IMPERIAL No. 7—DRAWN IRON ROD

MILD STEEL. .06 MAX. CARBON. COPPER COATED

Recommended for general welding work such as welding steel plates, sheets, structural shapes, boilers, tanks, pipe lines, steel forgings, fenders, frames, etc. Especially adaptable where strength and ductility are required.

1/16 in.	36 in.	\$.15	\$.14½	\$.14
3/32 in.	36 in.	.15	.14½	.14
1/8 in.	36 in.	.12	.11½	.11
5/32 in.	36 in.	.12	.11½	.11
3/16 in.	36 in.	.12	.11½	.11
1/4 in.	36 in.	.12	.11½	.11
5/16 in.	36 in.	.12	.11½	.11

IMPERIAL No. 1

HIGH TENSILE STEEL ROD

A special alloy steel, for high strength welds and resistance to vibration or shock in steel plates, sheets, structural shapes, pipe steel castings, etc.

1/16 in.	36 in.	\$.22	\$.21	\$.20
1/8 in.	36 in.	.20	.19	.18
3/16 in.	36 in.	.19	.18	.17
1/4 in.	36 in.	.18	.17	.16

IMPERIAL No. 26

HIGH CARBON STEEL ROD

Recommended for building up battered railroad end rails and where high resistance to abrasive wear is required. Deposit cannot be machined.

Dia.	Length	Price per Lb. in Quantities of		
		1-99 Lbs.	100-199 Lbs.	200 Lbs. and Up
1/8 in.	36 in.	\$.13	\$.12	\$.11
3/16 in.	36 in.	.12	.11	.10
1/4 in.	36 in.	.12	.11	.10

IMPERIAL No. 3—NICKEL STEEL ROD

Approximately 3½% nickel. For cold roll shafting, nickel steel parts on autos, tractors, or railway parts, or other nickel steel products subject to stress or shock and which require welds of high tensile strength can be machined.

1/8 in.	36 in.	\$.18	\$.17	\$.16
3/16 in.	36 in.	.17	.16	.15
1/4 in.	36 in.	.16	.15	.14

IMPERIAL No. 5

VANADIUM STEEL ROD—ENDS PAINTED GREEN

For use on Vanadium and Vanadium Chrome Steel.

1/8 in.	36 in.	\$.22	\$.21	\$.20
3/16 in.	36 in.	.19½	.18½	.17½
1/4 in.	36 in.	.18	.17	.16

IMPERIAL No. 9—CAST IRON ROD

For all grades of Gray or Cast Iron. Is free from sand and all impurities. Welds will show an increased tensile strength and free machining qualities. Contains a minimum of sulphur.

3/16 in.	24 in.	\$.14	\$.12	\$.10
1/4 in.	24 in.	.12	.10	.08
5/16 in.	24 in.	.11	.10	.08
3/8 in.	24 in.	.10	.09	.07

Imperial Welding Rod Price List--Continued**IMPERIAL No. 28
IMPERIAL CAST MANGANESE
BRONZE ROD**

For large Bronze Castings—Painted White.

Dia.	Length	Price per Lb. in Quantities of		
		1-49 Lbs.	50-99 Lbs.	100 Lbs. and over
1/4 in.	13 in.	\$0.35 ³ / ₈	\$0.30 ³ / ₈	\$0.29 ³ / ₈

IMPERIAL No. 29—CAST BRONZE

1/4 in.	13 in.	\$0.34	\$0.29	\$0.28
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IMPERIAL No. 31—CAST BRASS

1/4 in.	13 in.	\$0.34	\$0.29	\$0.28
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**IMPERIAL No. 23
DRAWN ALUMINUM ROD**

For Cast and Sheet Aluminum and Aluminum Alloys.

Dia.	Length	Price per Lb. in Quantities of		
		1-49 Lbs.	50-99 Lbs.	100 Lbs. and over
1/8 in.	36 in.	\$0.63	\$0.62	\$0.61
1/4 in.	36 in.	\$0.62	\$0.61	\$0.60

**IMPERIAL No. 46
CAST ALUMINUM ROD**

1/4 in.	36 in.	\$0.62	\$0.61	\$0.60
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Imperial Bronze Welding Rod

Single shipments of 100 lb. net or more of any assortment of Imperial Bronze Welding Rod are freight paid to any one destination. Shipper reserves the right to control routing. No allowance to buyer who provides his own transportation. Shipments of less than 100 lb. are f. o. b. shipping point. Quantity prices apply on the total of assorted sizes of any one type of bronze welding rod for complete shipment at one time to one destination. All Imperial Bronze Welding Rod is supplied in 36-in. lengths.

IMPERIAL No. 25 BRONZE ROD

For welds in Copper, Brass or Bronze and for Bronze Welding Malleable Iron, Steel or Cast Iron. Substantially non-fuming.

Dia.		Price per 100 Lbs. in Quantities of			
		1-49 Lbs.	50-99 Lbs.	100-299 Lbs.	300-499 Lbs.
1/16 in.		\$55.00	\$50.00	\$49.00	\$47.00
3/32 in.		47.00	42.00	41.00	39.00
1/8 in.		44.00	39.00	38.00	36.00
3/16 in.		38.00	33.00	32.00	30.00
1/4 in.		36.00	31.00	30.00	28.00

IMPERIAL No. 24**GENUINE TOBIN BRONZE ROD**

1/8 in.	\$41.50	\$36.50	\$35.50	\$33.50
3/16 in.	36.25	31.25	30.25	28.25
1/4 in.	33.625	28.625	27.625	25.625

IMPERIAL GASWELD FLUX

Imperial Gasweld Flux will help you to weld and braze better. A universal flux that dissolves oxides quickly, releases trapped gases, clears the surface to be worked on, and "makes metal flow easy." You will find it far superior to ordinary flux for welding cast iron and steel and for brazing or bronze welding cast iron, malleable iron, and steel. Try Imperial Gasweld Flux for welding steel to cast iron, malleable iron to cast iron, or malleable iron to steel.

Experienced welders tell us that it enables them to save time and labor and to turn out better work. Metal flows uniformly when this new compound is used, promoting perfect fusion.

Order a 1-lb. can of this new flux today. Use it on your next job. If you are not more than pleased with results, return what you have left and the full purchase price will be refunded.

Price per 1-lb. can.....\$1.50

**IMPERIAL No. 11
IMPERIAL DRAWN MANGANESE
BRONZE ROD**

For Cast Iron, Brass, Bronze, etc.

Dia.		Price per 100 Lbs. in Quantities of			
		1-49 Lbs.	50-99 Lbs.	100-299 Lbs.	300-499 Lbs.
1/8 in.		\$42.25	\$37.25	\$36.25	\$34.25
3/16 in.		37.00	32.00	31.00	29.00
1/4 in.		34.375	29.375	28.375	26.375

IMPERIAL No. 10—BRONZE ROD

For Cast Iron, Brass, Bronze, etc.

1/16 in.	\$51.75	\$46.75	\$45.75	\$43.75
3/32 in.	44.25	39.25	38.25	36.25
1/8 in.	40.50	35.50	34.50	32.50
3/16 in.	35.25	30.25	29.25	27.25
1/4 in.	32.625	27.625	26.625	24.625

**IMPERIAL No. 32
DRAWN BRASS WELDING AND
BRAZING WIRE (COILS)**

For Sheet or Cast Brass

1/16 in.	\$50.50	\$45.50	\$44.50	\$42.50
1/8 in.	39.25	34.25	33.25	31.25
3/16 in.	34.00	29.00	28.00	26.00
1/4 in.	31.38	26.38	25.38	23.38

Imperial Welding Flux

No. 20-H For welding cast iron, 1/2-lb. cans.....	\$0.20
No. 20-H 1-lb. cans.....	.38
No. 21-H For welding brass, bronze and copper, per lb.....	.50
No. 22-H For welding aluminum, per lb.....	2.00

SPARK LIGHTER (Shoot-a-Lite)

Offers a convenient method of lighting welding and cutting torches. Each pull of the trigger produces a shower of sparks.

No. 279-H Spark Lighter.	
Price, each.....	\$0.50
No. 280-H Extra Flint.	
Price, each.....	.10

**No. 279-H Spark
Lighter****Friction Spark Lighter**

No. 59-H Friction Spark Lighter Each.....	\$0.25
No. 59-HH Renewal Tips, Each.....	\$0.10

